

NASA-CR-193667

Final Project Report  
NASA Grant NAGW-1318  
Submitted by Lawrence H. Landweber  
April 4, 1991

*Computer Science Dept  
University of Wisconsin-Madison  
IP*

The project had two goals, establishment of a gateway between French and U.S. academic networks and studies of issues related to the development of ISO connection-oriented / connectionless gateways.

The first component involved installation of a 56K bps line between Princeton Univ. and INRIA in France. The end-points of these lines were connected by Vitalink link level bridges. The Princeton end was then connected to the NSFNET via the John Von Neumann Supercomputer Center. The French end was connected to Transpac, the French X.25 public data network and to the French IP research internet. U.S. users may communicate with users of the French internet by e-mail and may access computational and data resources in France by use of remote login and file transfer. The connection to Transpac enables U.S. users to access the SIMBAD astronomical database outside of Paris. Access to this database from the U.S. can be via TCP/IP or DECNET (via a DECNET to TCP/IP gateway) protocols utilizing a TCP/IP to X.25 gateway developed and operated by INRIA.

The second component of the project involved experiments aimed at understanding the issues involved in ISO CO/CL gateways. An experimental gateway was developed at Wisconsin and a preliminary report was prepared. Because of the need to devote most resources to the first component of the project, work in this area did not go beyond development of a prototype gateway.

(NASA-CR-193667) [DEVELOPMENT OF  
ISO  
CONNECTION-ORIENTED/CORRECTIONLESS  
GATEWAYS] Final Report (Wisconsin  
Univ.) 1 p

N94-13030

Unclass

G3/82 0180205